Performance Data Sheet

AHA4525AXD

General Information

Model	AHA4525AXD	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	17600	17600	17100	16300	15200	13900	12300
	Watts	2120	2090	2100	2150	2220	2290	2360
	Amps	11.7	10.9	10.5	10.5	10.7	11.0	11.3
	Lb/h	162	224	257	268	262	246	227
25	Btu/h	20700	20200	19300	18200	16900	15400	13900
	Watts	2270	2240	2250	2300	2370	2450	2520
	Amps	12.3	11.5	11.1	11.1	11.3	11.6	12.0
	Lb/h	204	262	293	301	294	277	259
30	Btu/h	24200	23200	22000	20500	19000	17400	15800
	Watts	2420	2380	2400	2450	2520	2600	2680
	Amps	12.8	12.0	11.7	11.7	11.9	12.3	12.6
	Lb/h	251	306	333	340	331	314	296
35	Btu/h	28300	26800	25100	23300	21400	19600	17900
	Watts	2570	2530	2540	2590	2660	2750	2840
	Amps	13.4	12.6	12.2	12.3	12.5	12.9	13.3
	Lb/h	303	355	380	384	374	357	338
40	Btu/h	32900	30700	28500	26300	24200	22200	20300
	Watts	2720	2670	2680	2730	2810	2900	3000
	Amps	13.9	13.1	12.8	12.8	13.1	13.5	14.0
	Lb/h	361	409	431	433	422	404	386
45	Btu/h	37900	35100	32400	29800	27300	25000	22900
	Watts	2870	2820	2820	2880	2960	3050	3160
	Amps	14.4	13.6	13.3	13.4	13.7	14.1	14.7
	Lb/h	423	468	487	487	475	457	439
50	Btu/h	43300	39900	36600	33500	30600	28000	25700
	Watts	3020	2970	2970	3020	3100	3210	3310
	Amps	14.9	14.1	13.8	13.9	14.2	14.7	15.3
	Lb/h	490	531	548	546	533	514	497
55	Btu/h	49100	45000	41100	37500	34200	31200	28700
	Watts	3180	3120	3120	3170	3260	3360	3480
	Amps	15.3	14.5	14.3	14.4	14.8	15.3	16.0
	Lb/h	560	599	613	610	595	576	559

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-3.544656E+04	4.603014E+03	4.235918E+01	-2.481850E+03
C2	1.146888E+03	5.566545E+01	2.071381E-01	1.416141E+01
C3	1.055820E+03	-8.883935E+01	-8.416712E-01	6.079320E+01
C4	1.984502E+01	-1.170988E-01	-5.063475E-04	1.233115E-01
C5	-2.076716E+01	-4.444410E-01	-1.703345E-03	-1.991949E-01
C6	-6.696992E+00	8.046590E-01	6.771630E-03	-4.494116E-01
C7	-3.785693E-02	1.452381E-03	-3.928707E-06	-3.047630E-04
C8	-7.783319E-02	-3.857766E-04	6.018370E-06	1.065452E-04
C9	8.819032E-02	2.285467E-03	8.028988E-06	7.251488E-04
C10	1.041690E-02	-2.291685E-03	-1.770879E-05	1.072917E-03

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature